

Title (en)

OLT, ONU AND PON SYSTEM AND INFORMATION TRANSMISSION METHOD IN PON SYSTEM

Title (de)

OLT-, ONU- UND PON-SYSTEM UND INFORMATIONSTRANSFERVERFAHREN IN EINEM PON-SYSTEM

Title (fr)

SYSTÈME OLT, ONU ET PON ET PROCÉDÉ DE TRANSMISSION D'INFORMATIONS DANS UN SYSTÈME PON

Publication

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Application

EP 23179105 A 20181011

Priority

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- EP 18902400 A 20181011
- CN 2018109898 W 20181011

Abstract (en)

This application provides an OLT, an ONU, a PON system, and an information transmission method in a PON system. The method includes: sending, by an OLT, first information to an unregistered ONU, where the first information includes at least one piece of indication information, and one piece of indication information indicates a first power range and a first time range associated with the first power range; and receiving, by the OLT in the first time range, a registration message sent by the ONU, where a downstream receive power of the ONU falls within the first power range. Registration signals of ONUs whose downstream receive powers fall within a same power range are similar or differ little in signal strength when reaching the OLT, so that the OLT can quickly respond to a registration signal of an ONU, and an overall response time of the OLT for registration signals of different ONUs can be shortened.

IPC 8 full level

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CPC (source: CN EP KR US)

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Citation (search report)

- [A] US 2015365172 A1 20151217 - LUO YUANQIU [US], et al
- [A] US 2009208227 A1 20090820 - YOSHIDA SETSUO [JP], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3737006 A1 20201111; **EP 3737006 A4 20210303**; **EP 3737006 B1 20230726**; **EP 3737006 C0 20230726**; AR 114317 A1 20200819; CN 110086545 A 20190802; CN 110086545 B 20210622; CN 113472450 A 20211001; EP 4258682 A2 20231011; EP 4258682 A3 20240110; ES 2959401 T3 20240226; JP 2021511759 A 20210506; JP 2022137102 A 20220921; JP 7096364 B2 20220705; JP 7444925 B2 20240306; KR 102458349 B1 20221021; KR 102617260 B1 20231221; KR 20200111214 A 20200928; KR 20220148312 A 20221104; TW 201933806 A 20190816; TW I693802 B 20200511; US 11368223 B2 20220621; US 11646796 B2 20230509; US 2020350992 A1 20201105; US 2022255624 A1 20220811; WO 2019144650 A1 20190801

DOCDB simple family (application)

EP 18902400 A 20181011; AR P190100179 A 20190125; CN 201810078953 A 20180126; CN 2018109898 W 20181011; CN 202110697888 A 20180126; EP 23179105 A 20181011; ES 18902400 T 20181011; JP 2020560525 A 20181011; JP 2022100791 A 20220623; KR 20207023998 A 20181011; KR 20227036493 A 20181011; TW 108102541 A 20190123; US 202016936212 A 20200722; US 202217725373 A 20220420